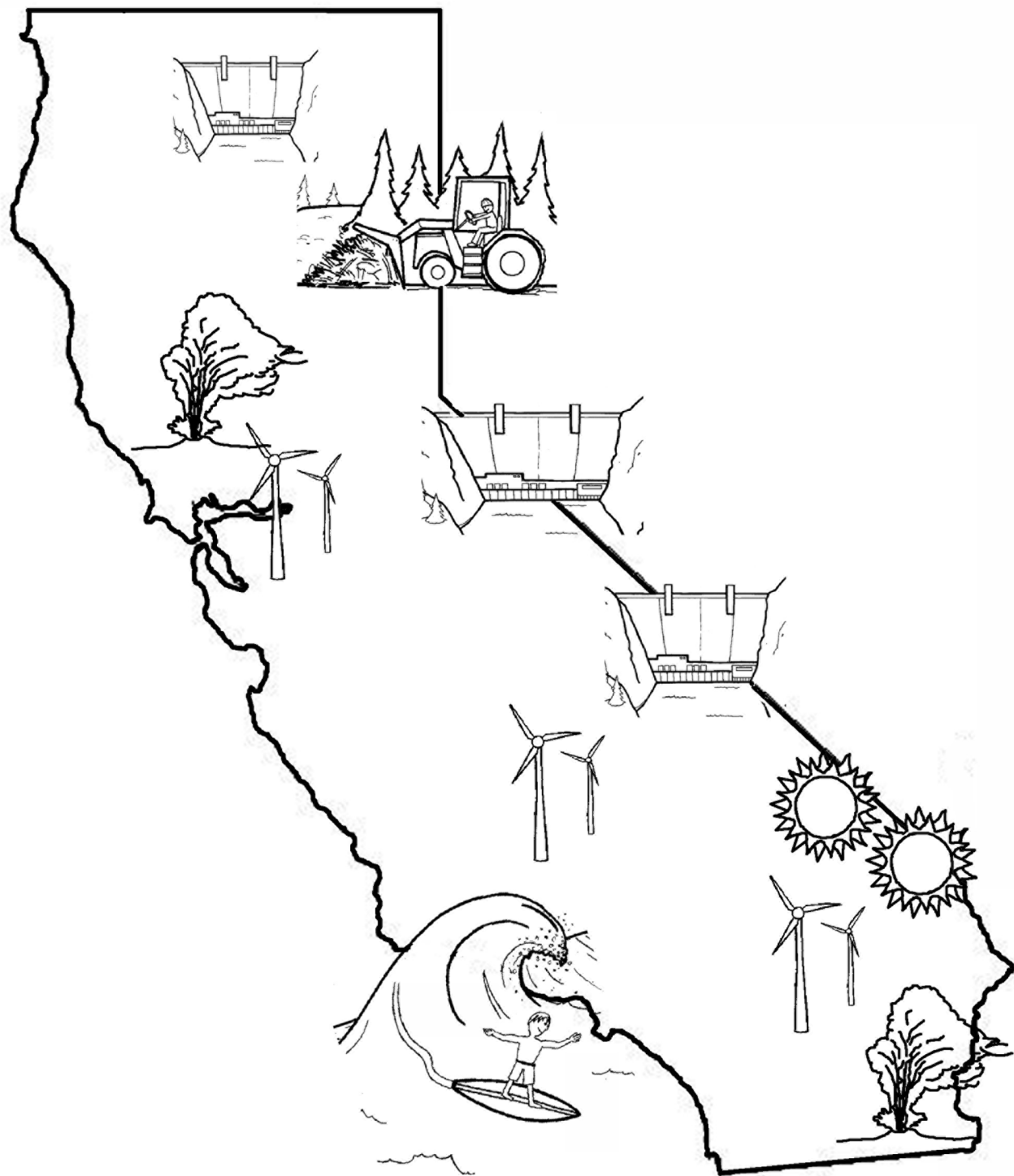


ENERGY QUEST

RENEWABLE ENERGY COLORING BOOK



CALIFORNIA ENERGY COMMISSION



**Locations of some renewable energy sources in California.
Do you know what they are?**

Hello! I'm Professor Questor.

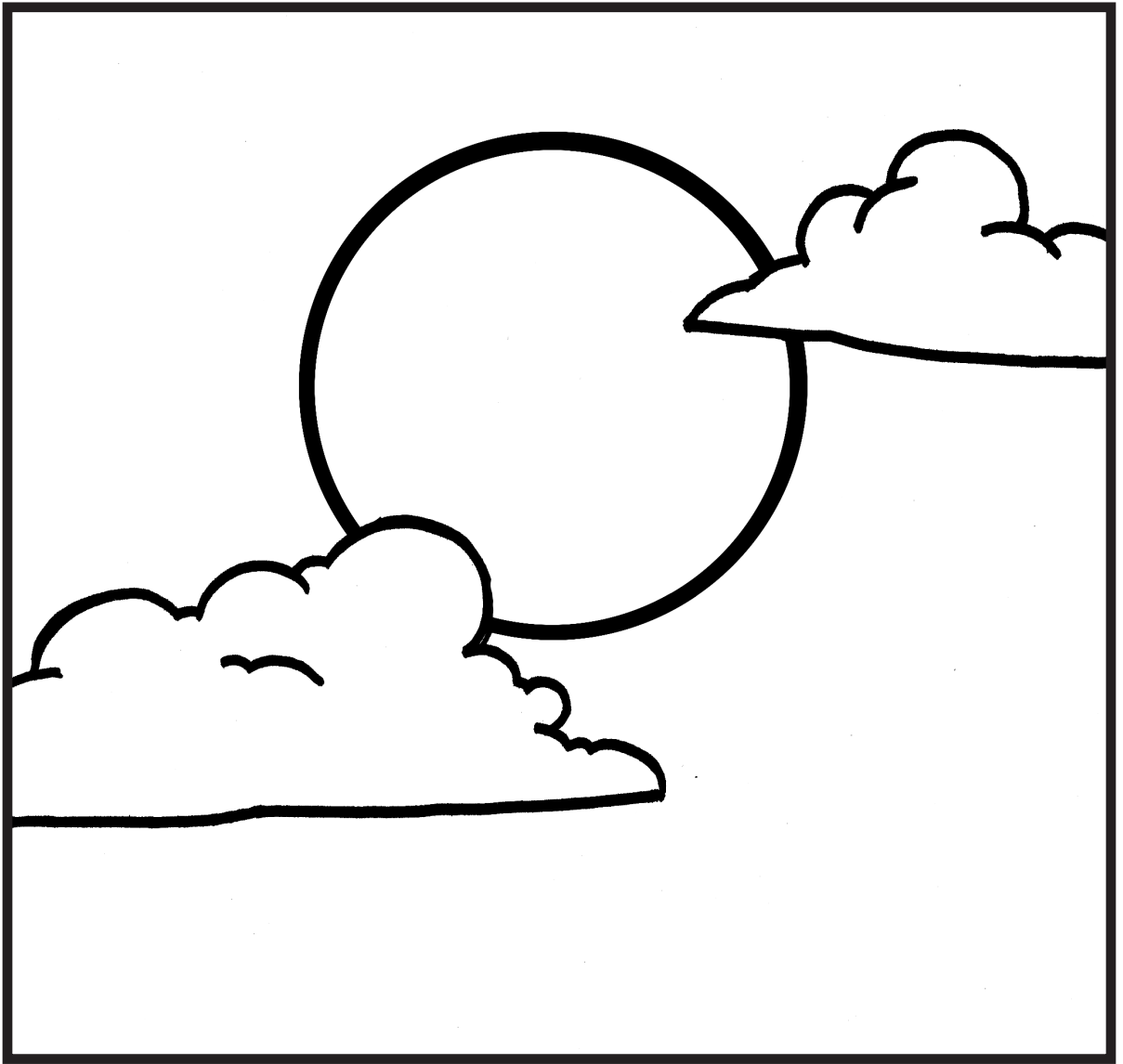
Welcome to the *ENERGY QUEST* Renewable Energy Coloring Book!

In this book, you will learn about renewable energy. Renewable energy comes from sources that won't run out. Also, these are all cleaner forms of energy. They won't harm the environment like fossil fuels (coal, oil, and natural gas) and nuclear fuels can.

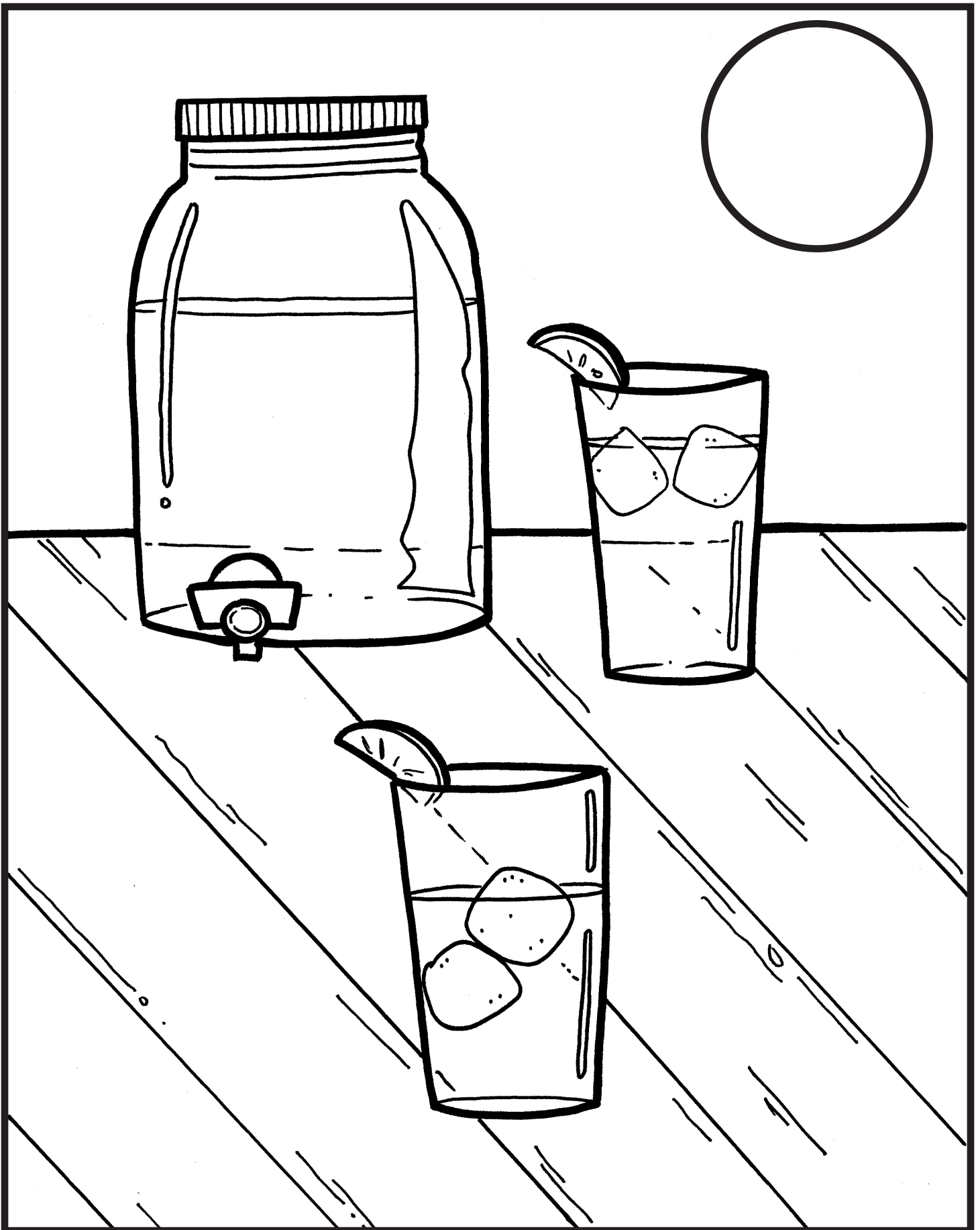
Look inside to discover how we use these energy sources everyday!

I hope you have fun!

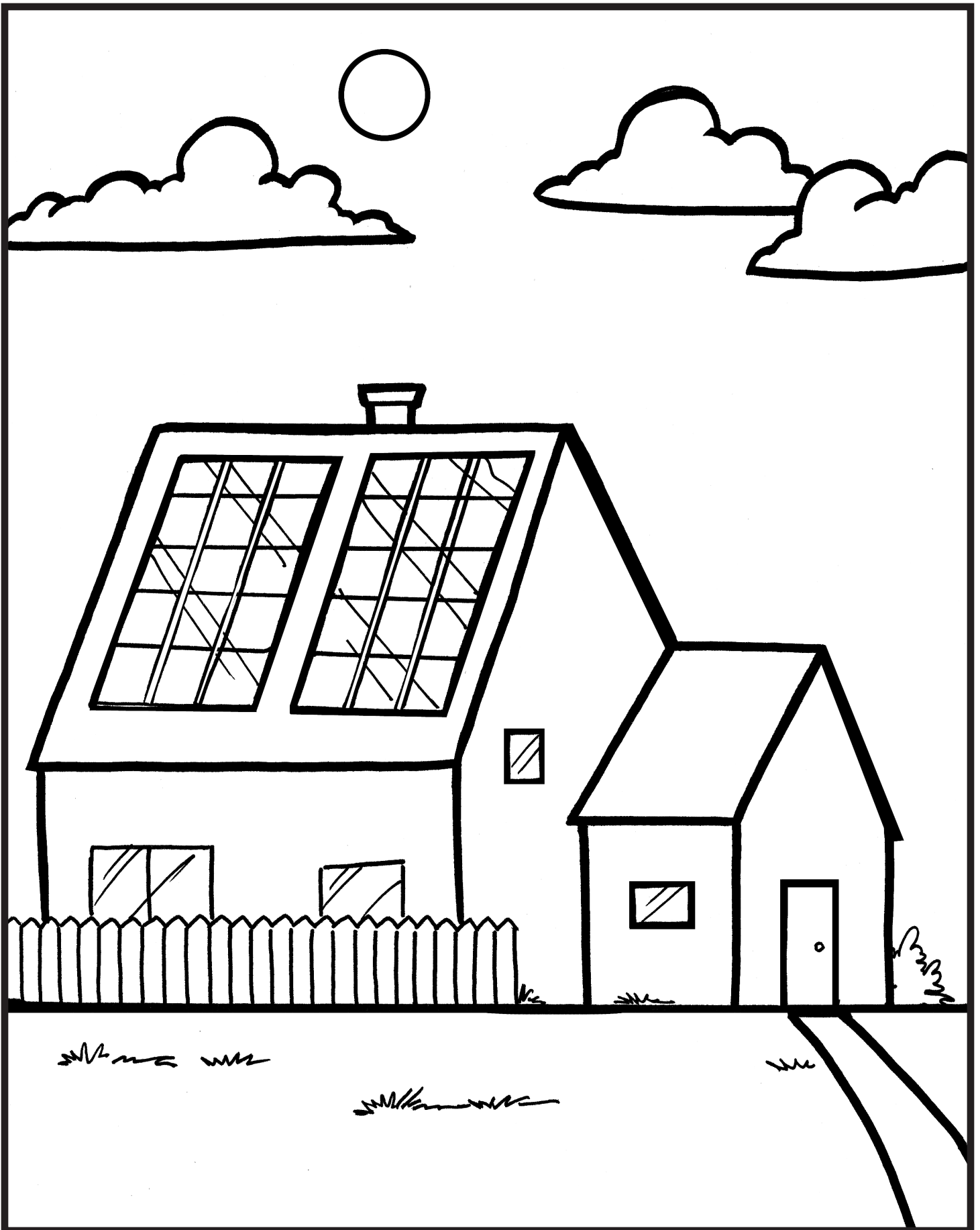




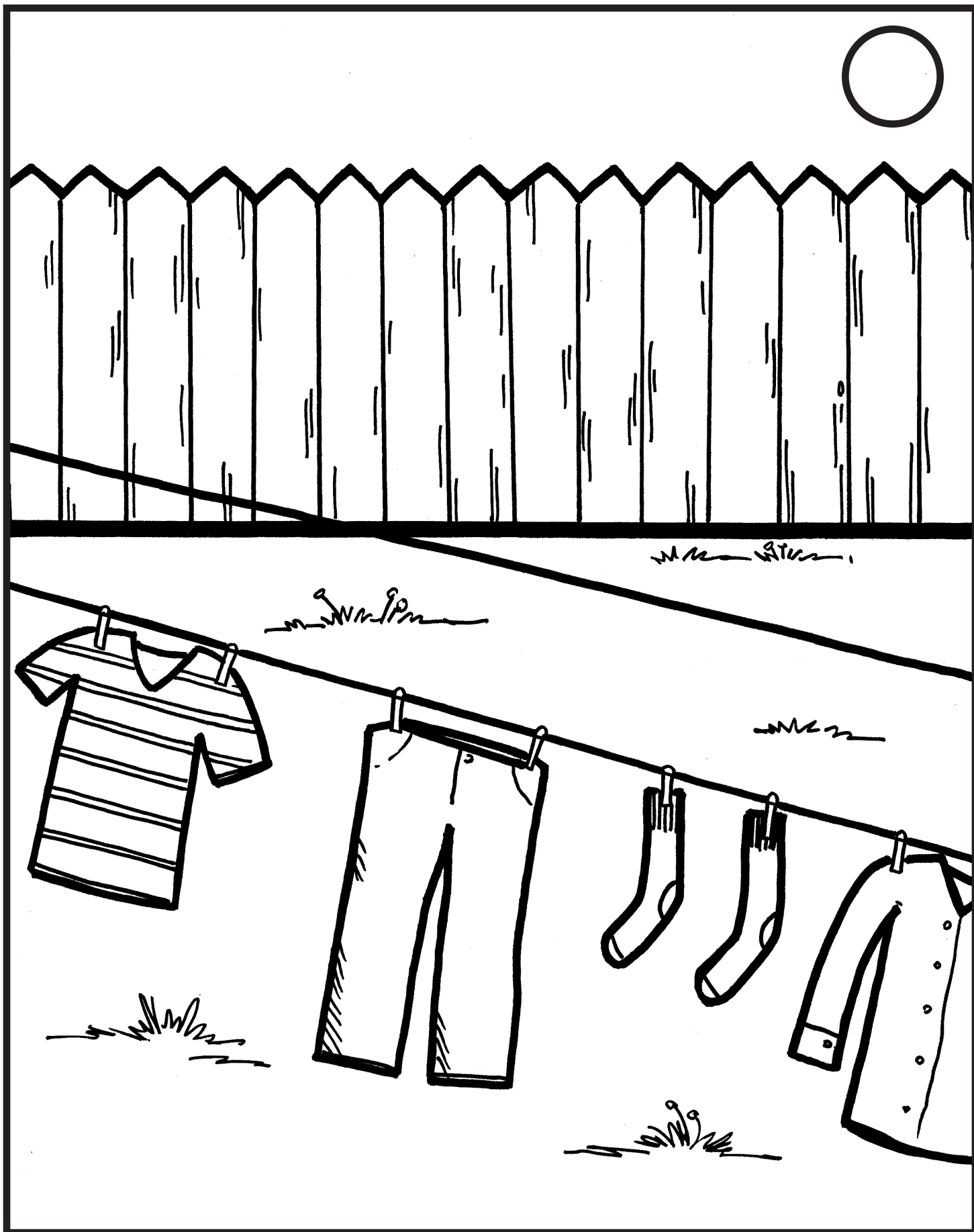
The sun is a source of energy that we can use everyday!



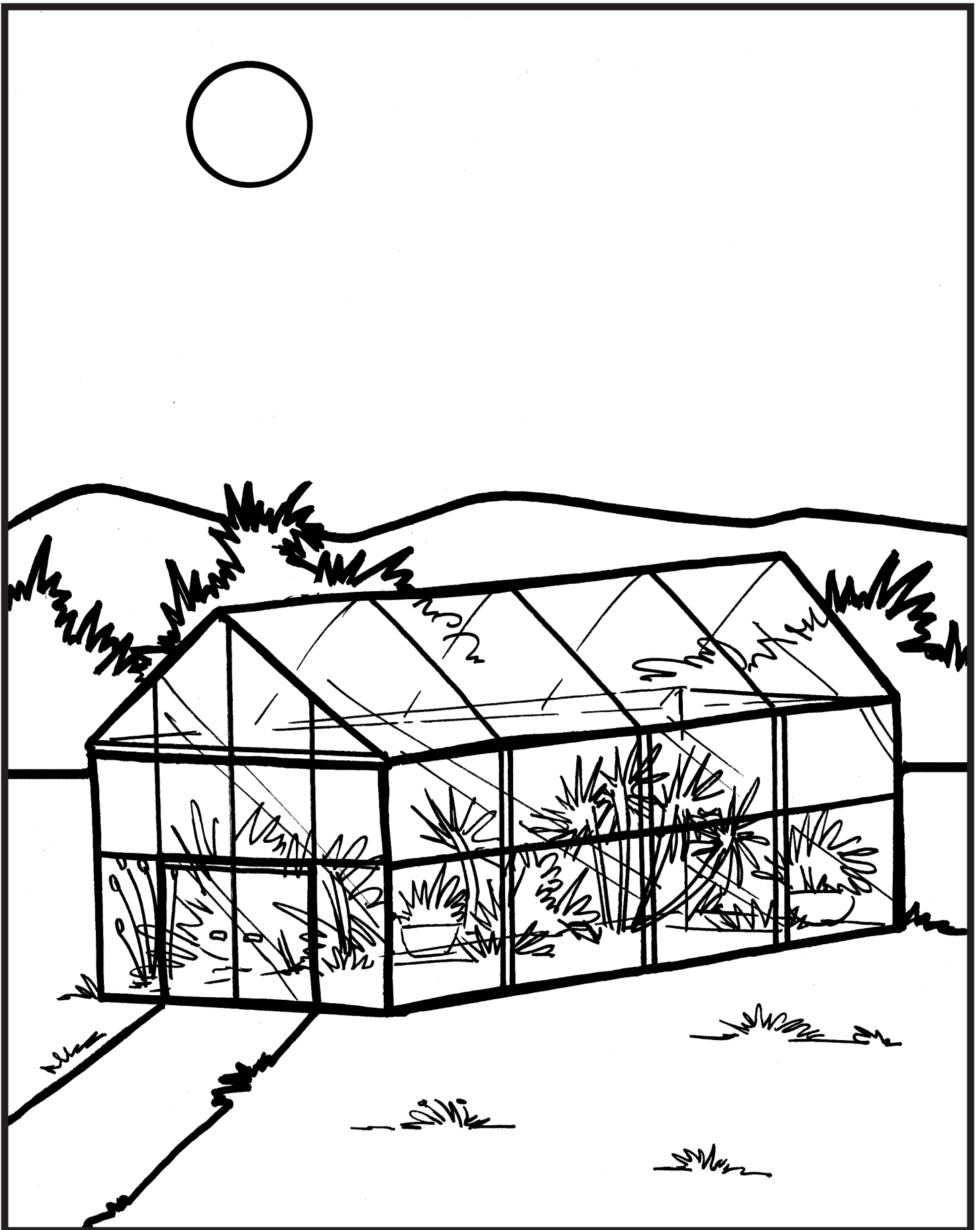
You can use solar energy to make iced tea!



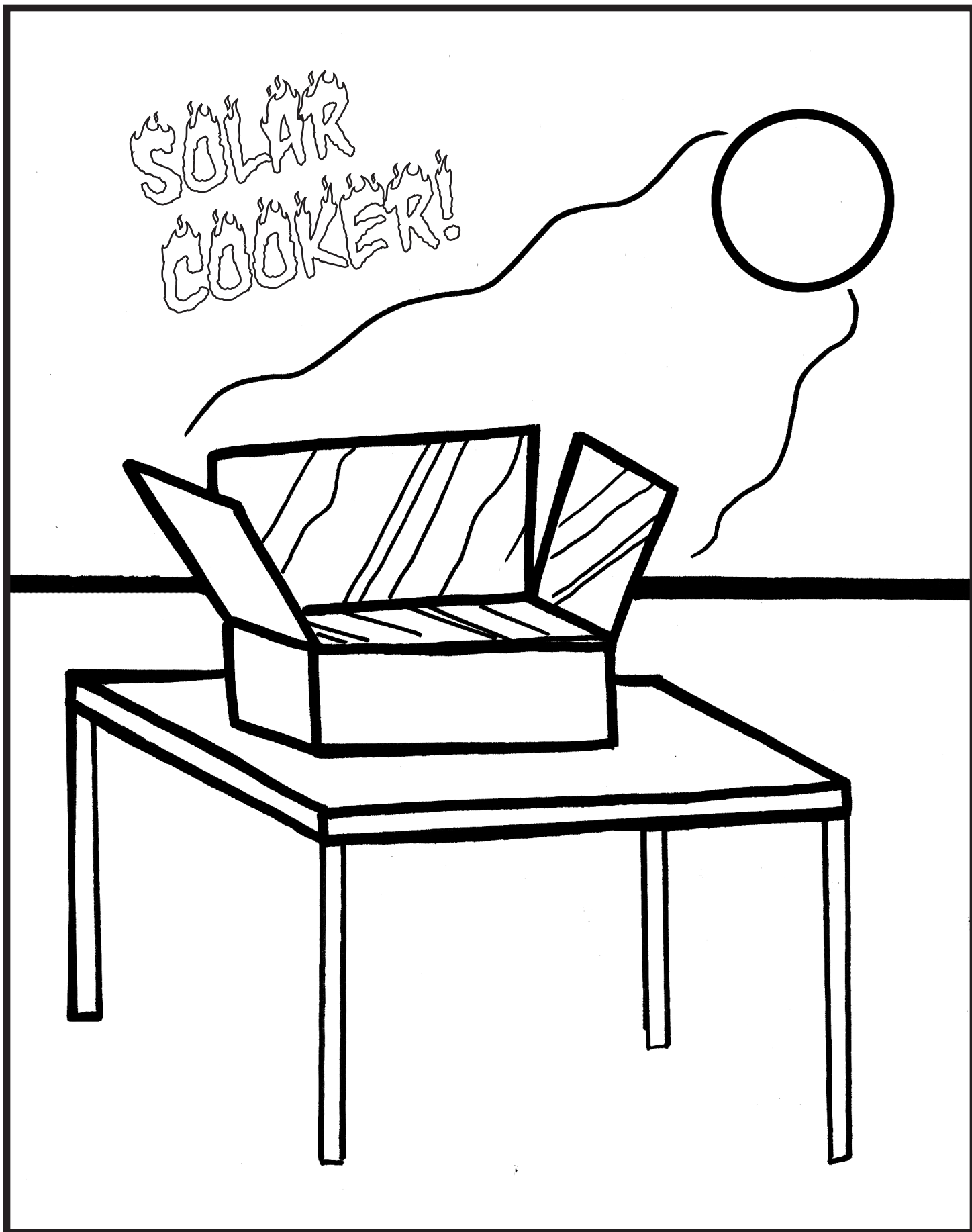
When solar cells are installed on a roof, electricity is made from the sun's energy!



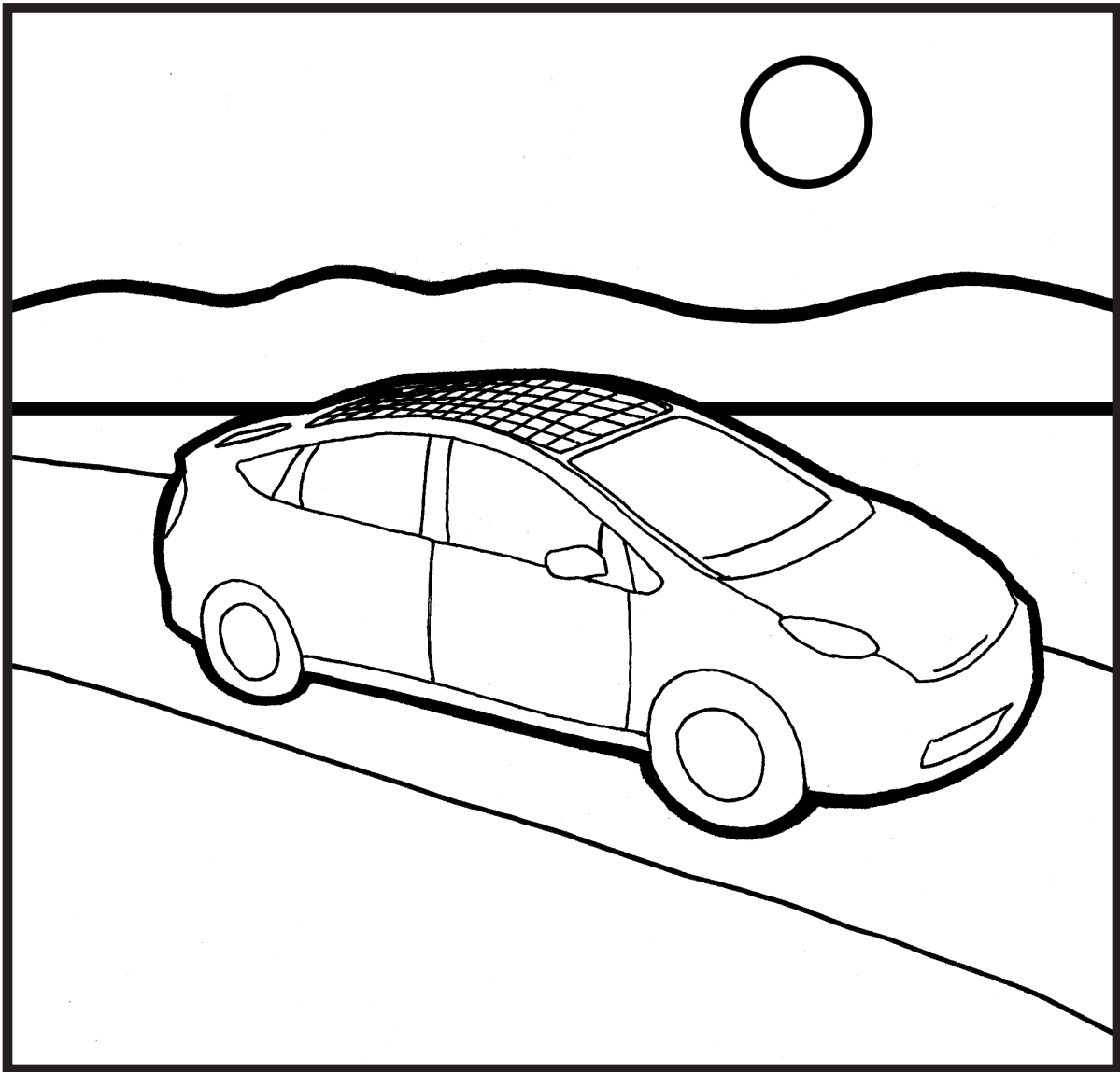
You can save energy by using the sun to dry your clothes instead of using the dryer!



A greenhouse uses solar energy to make a warm place for plants to grow!



Hot dogs and cupcakes cooked by the sun? You bet! Learn how to make your own solar cooker at:
<http://pbskids.org/zoom/activities/sci/solarcookers.html>

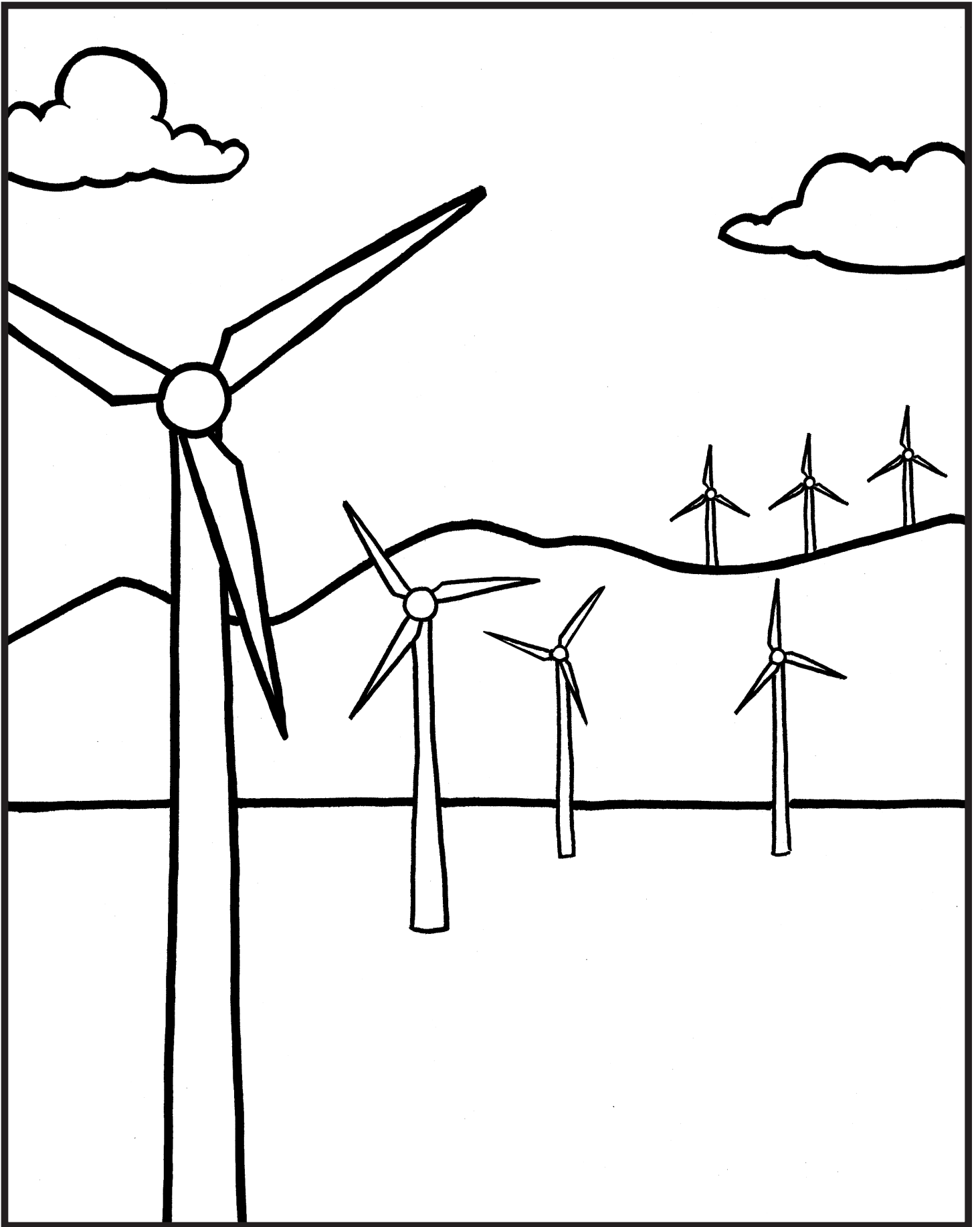


One day solar energy may even power our cars!

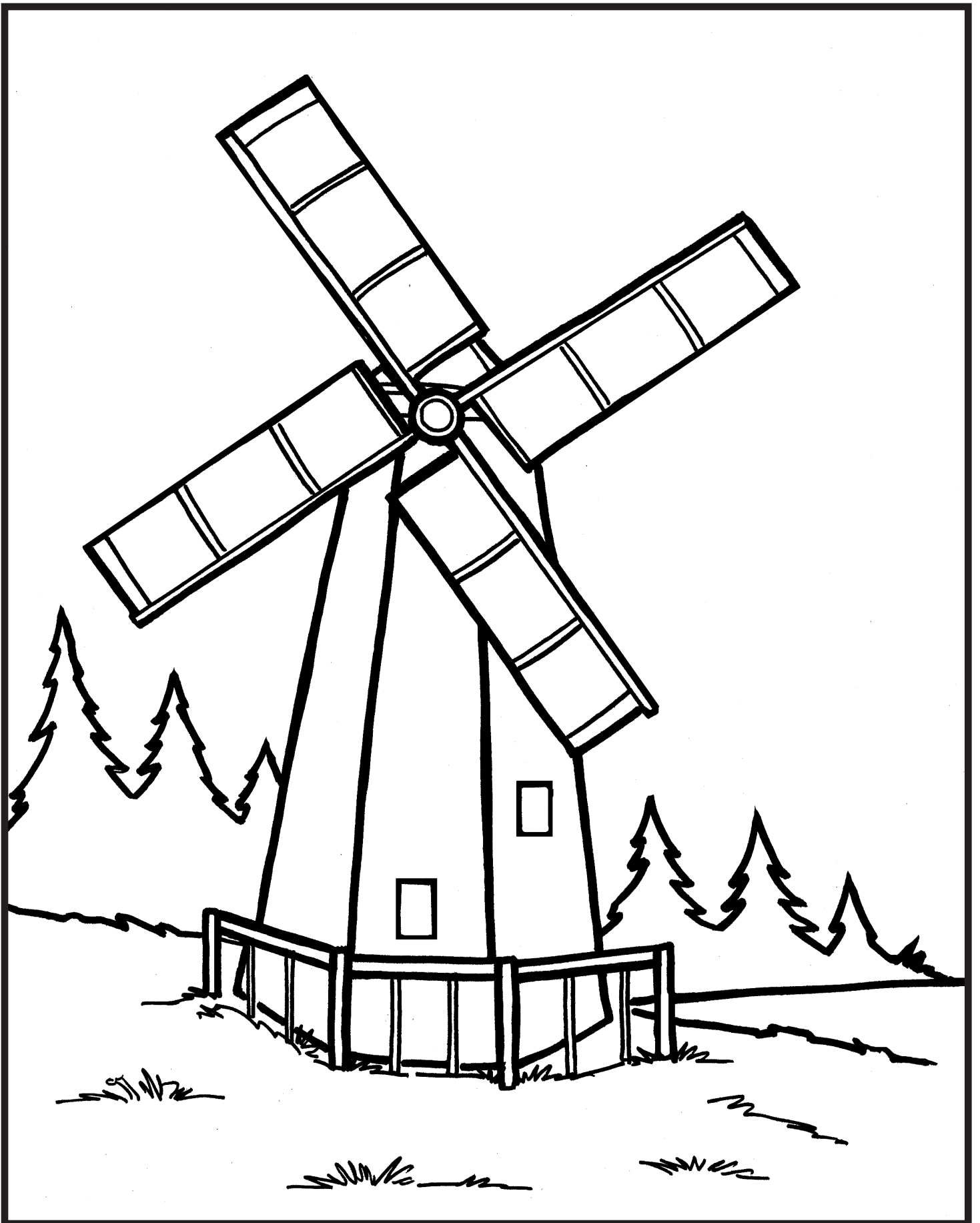
CREATE YOUR OWN SOLAR INVENTION HERE!



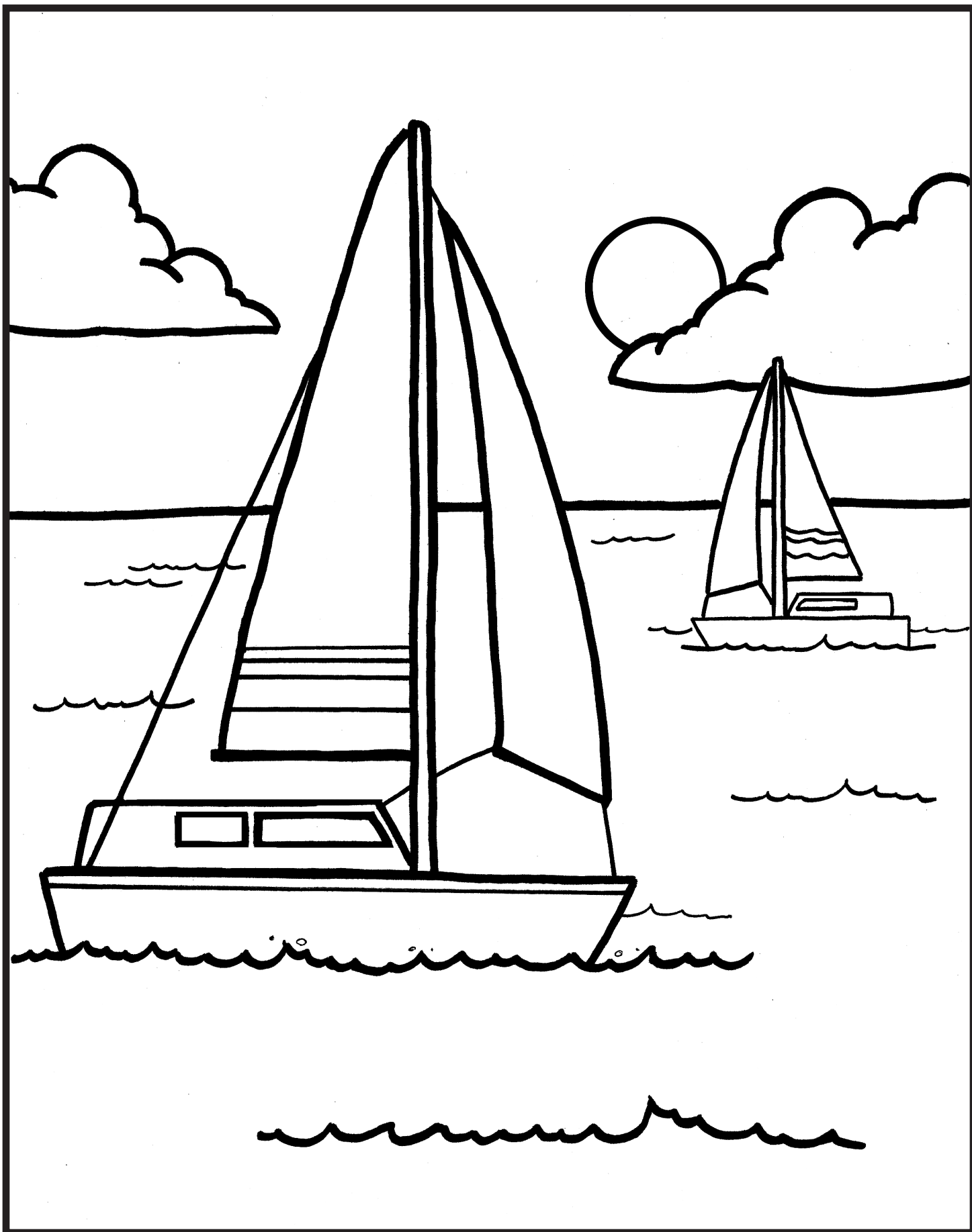
MY INVENTION: _____



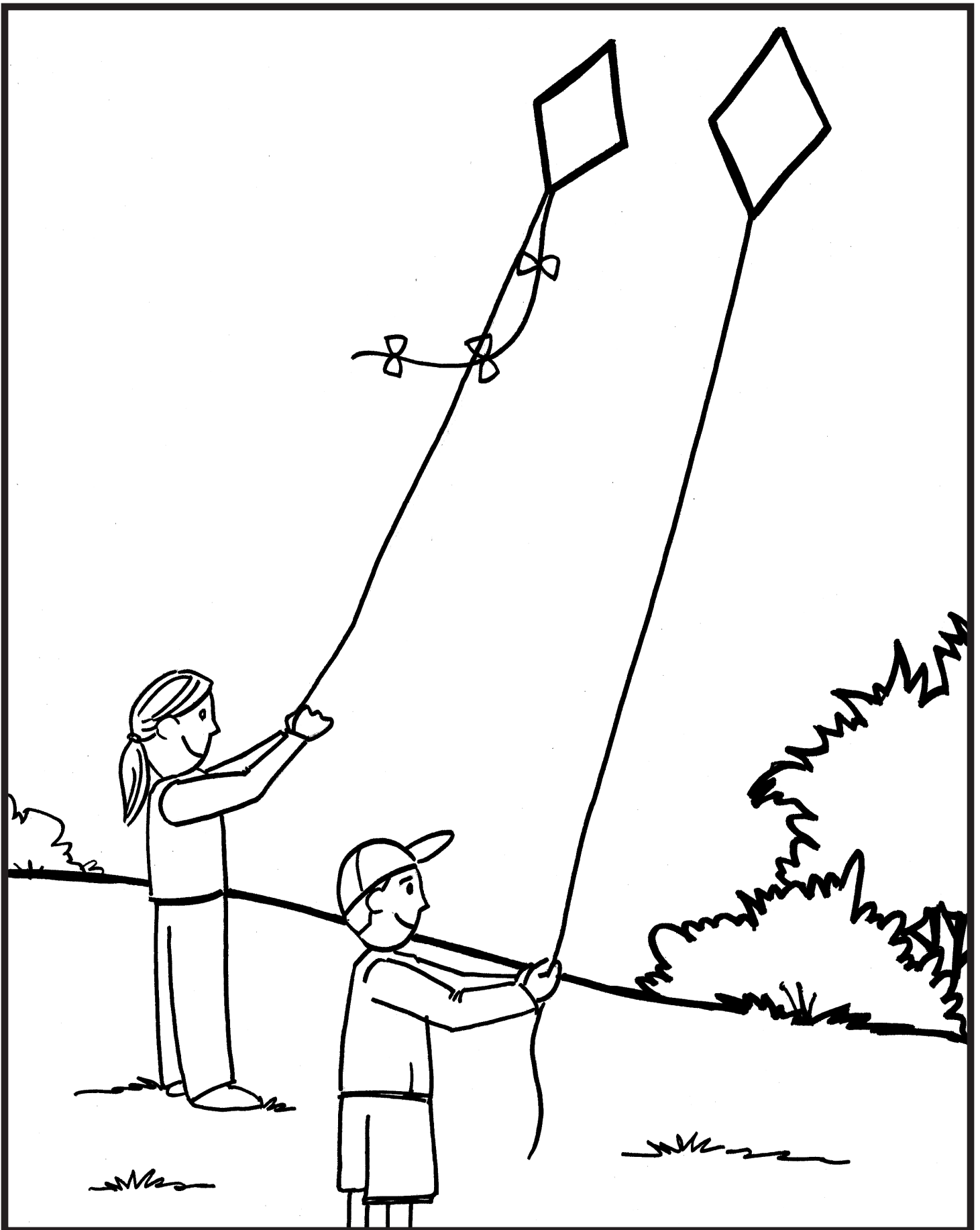
These large turbines use the energy in the wind to make electricity!



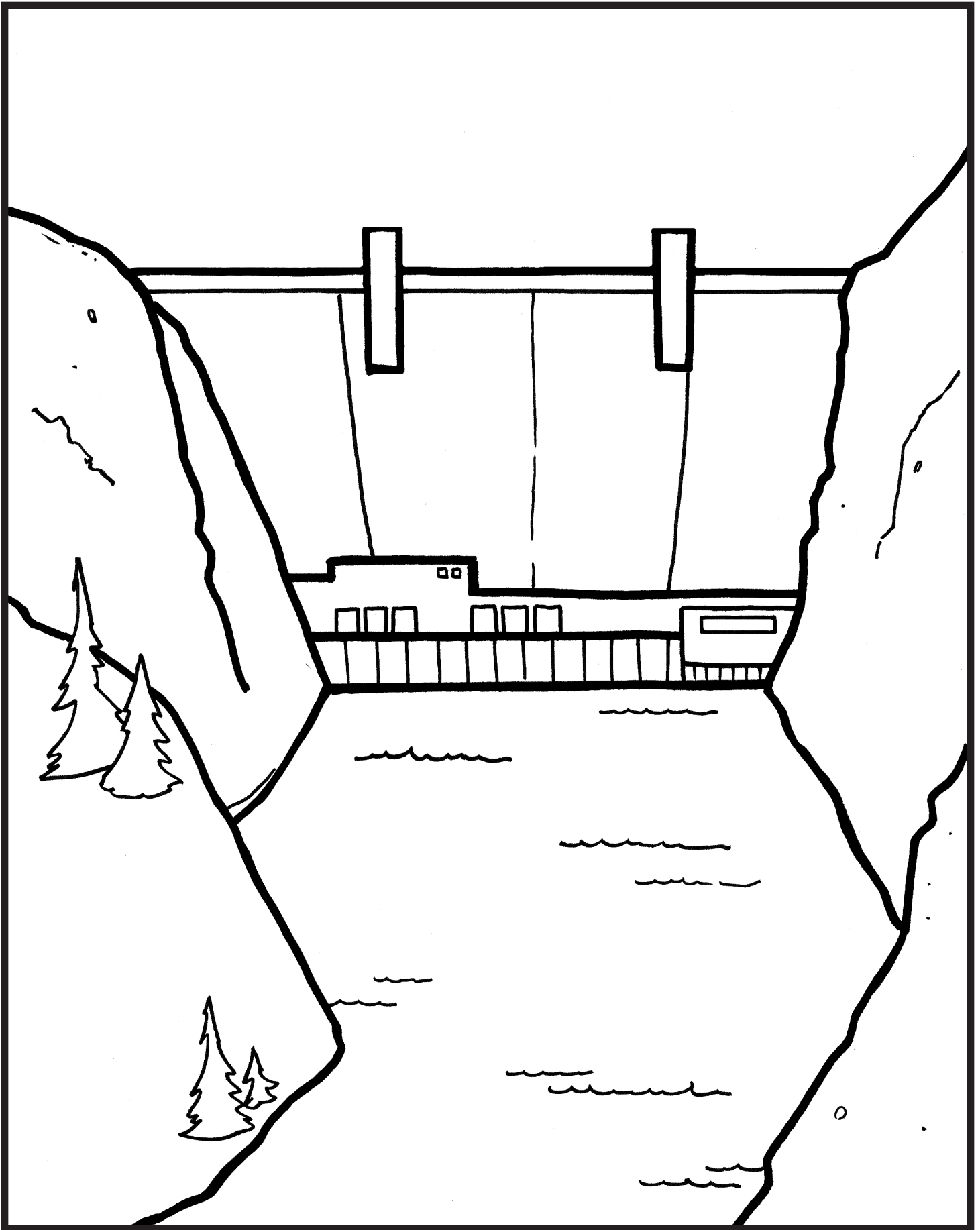
This is an old windmill. They used wind energy to grind grain, pump water, or saw wood!



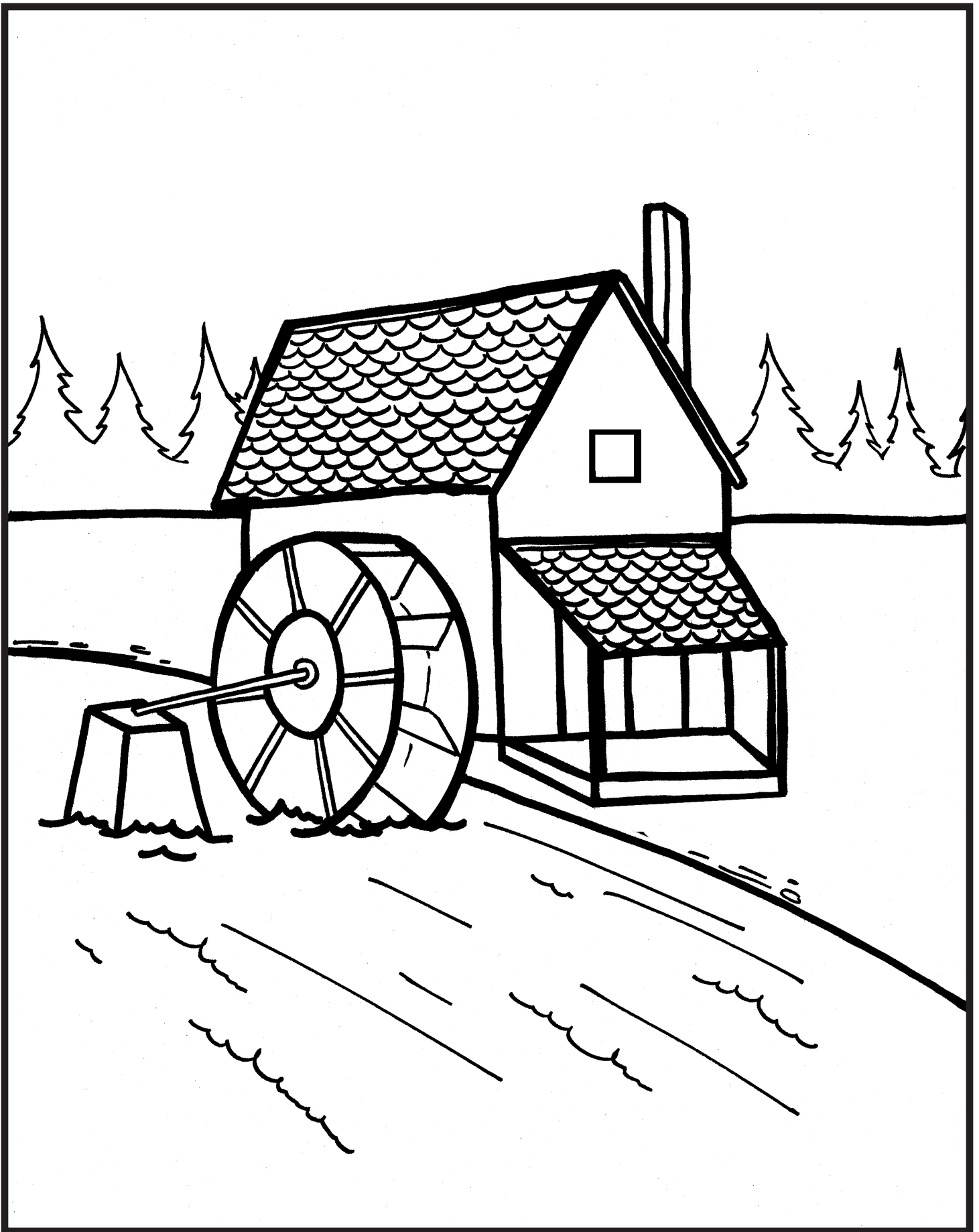
Sailboats use the wind for power!



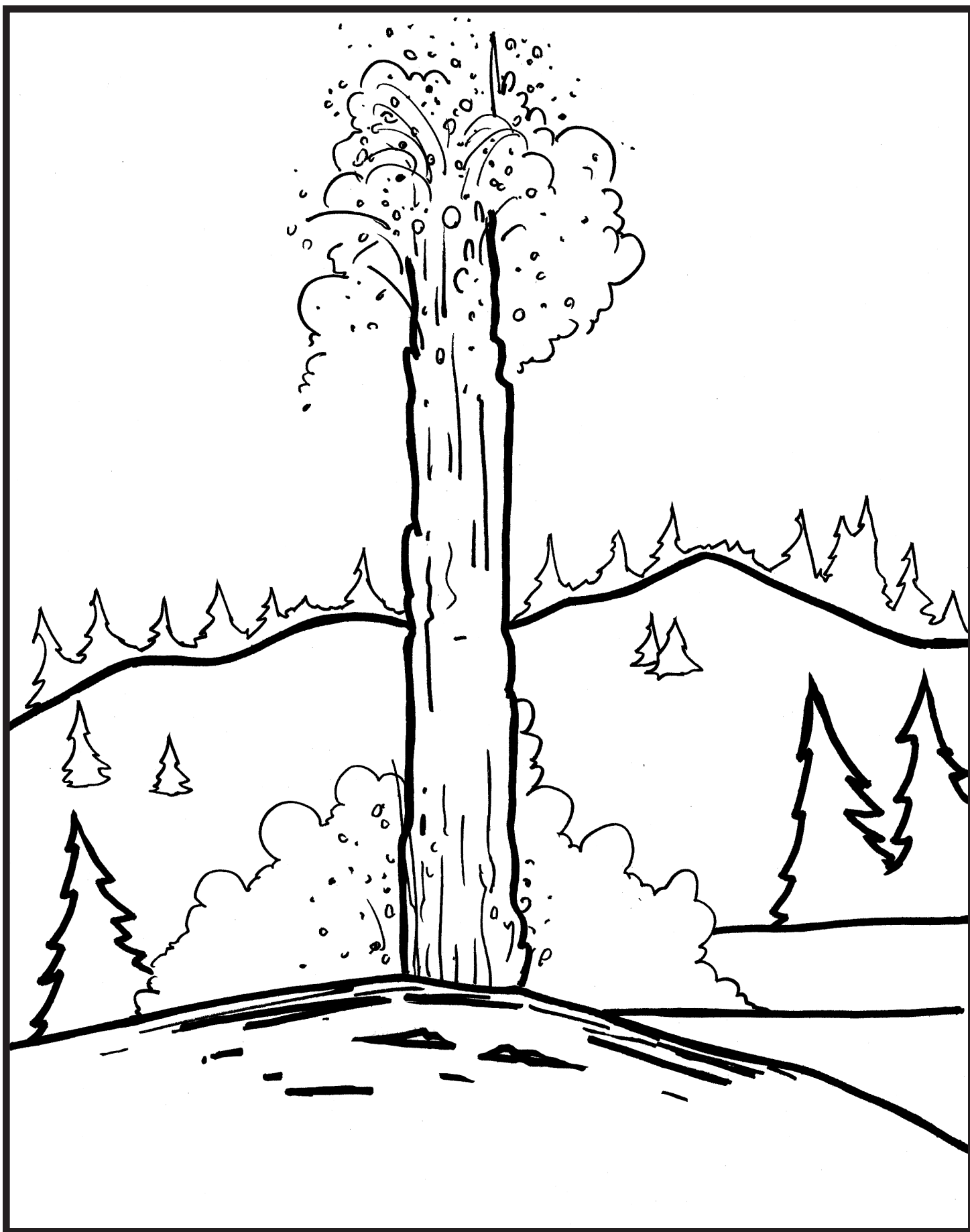
You use wind energy to fly a kite! It is fun on a windy day!



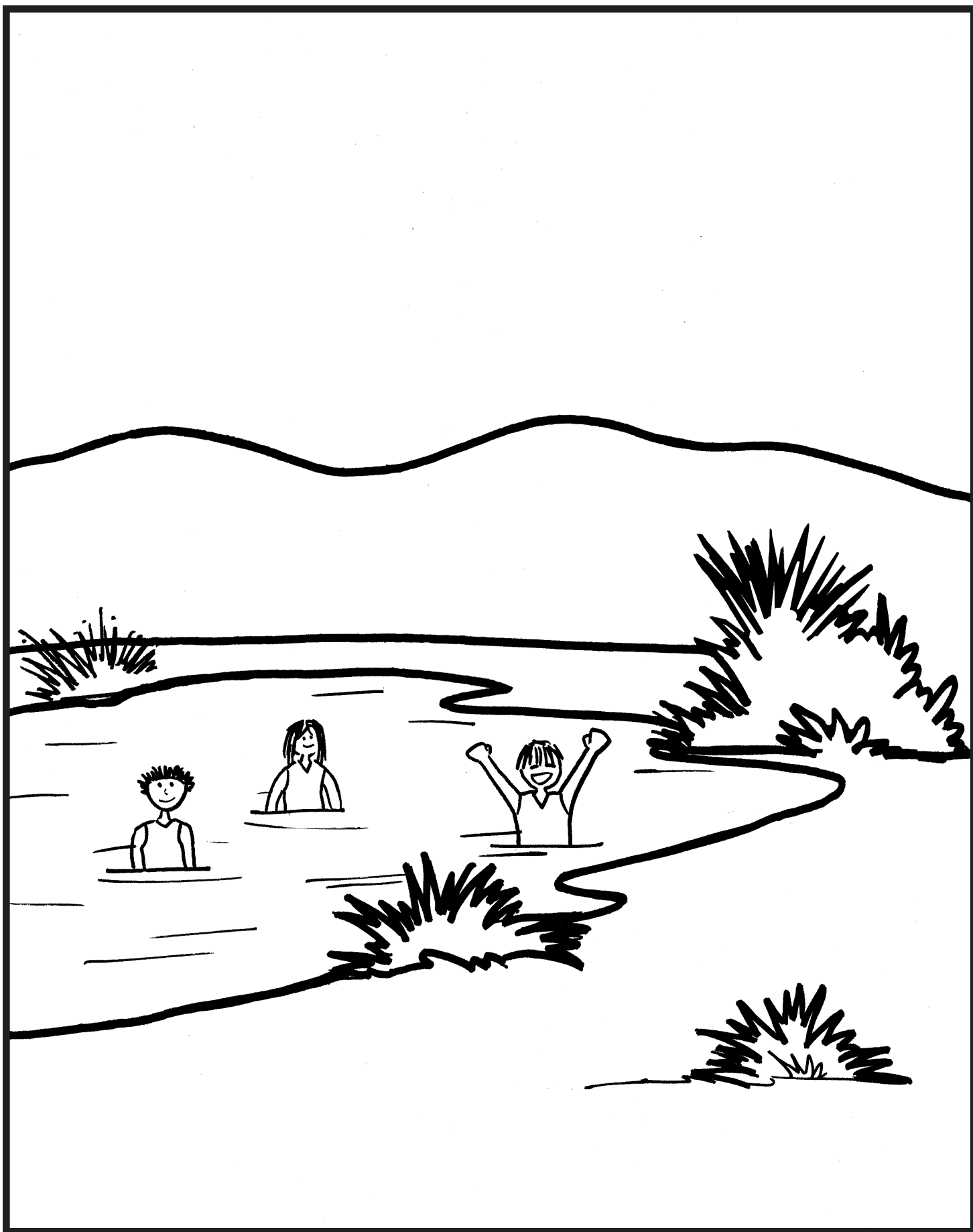
**Some dams use moving water to make energy in hydro-electric plants.
Hydro means water.**



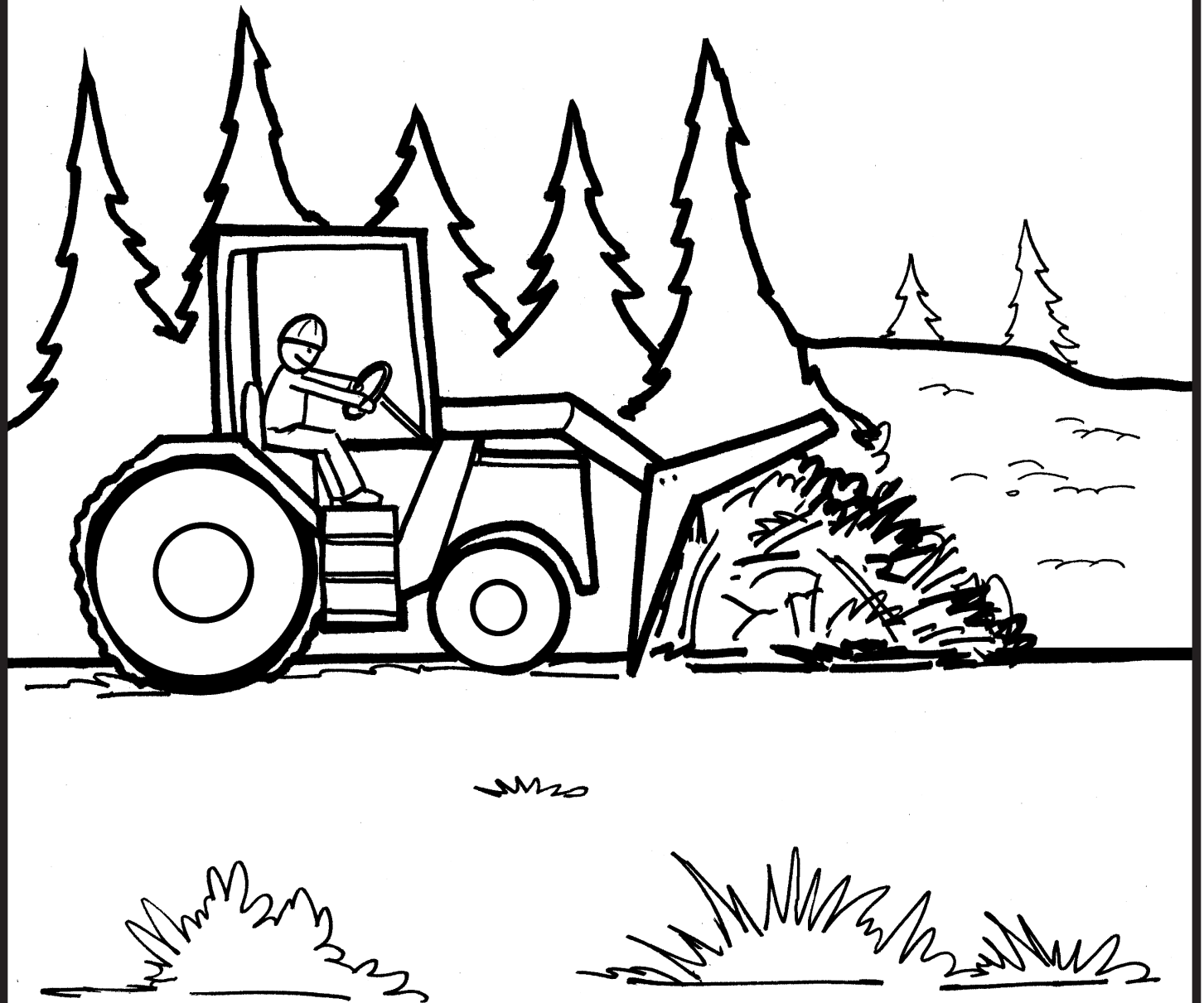
This is an old watermill. It uses water to grind grain or saw wood.



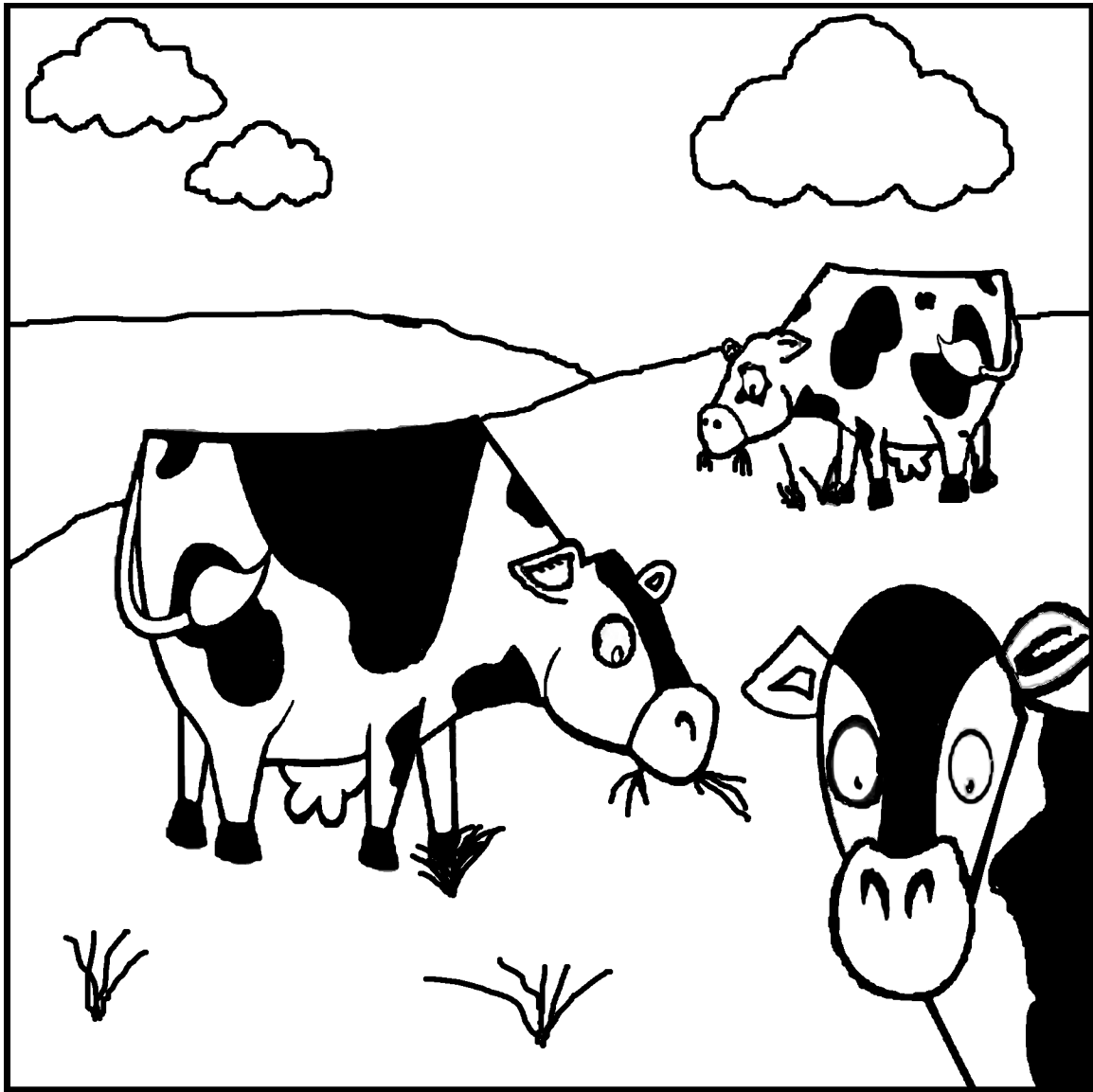
Geysers erupt with hot water and steam because of geothermal energy. Geothermal means “earth heat.” It is the heat of the earth far below ground.



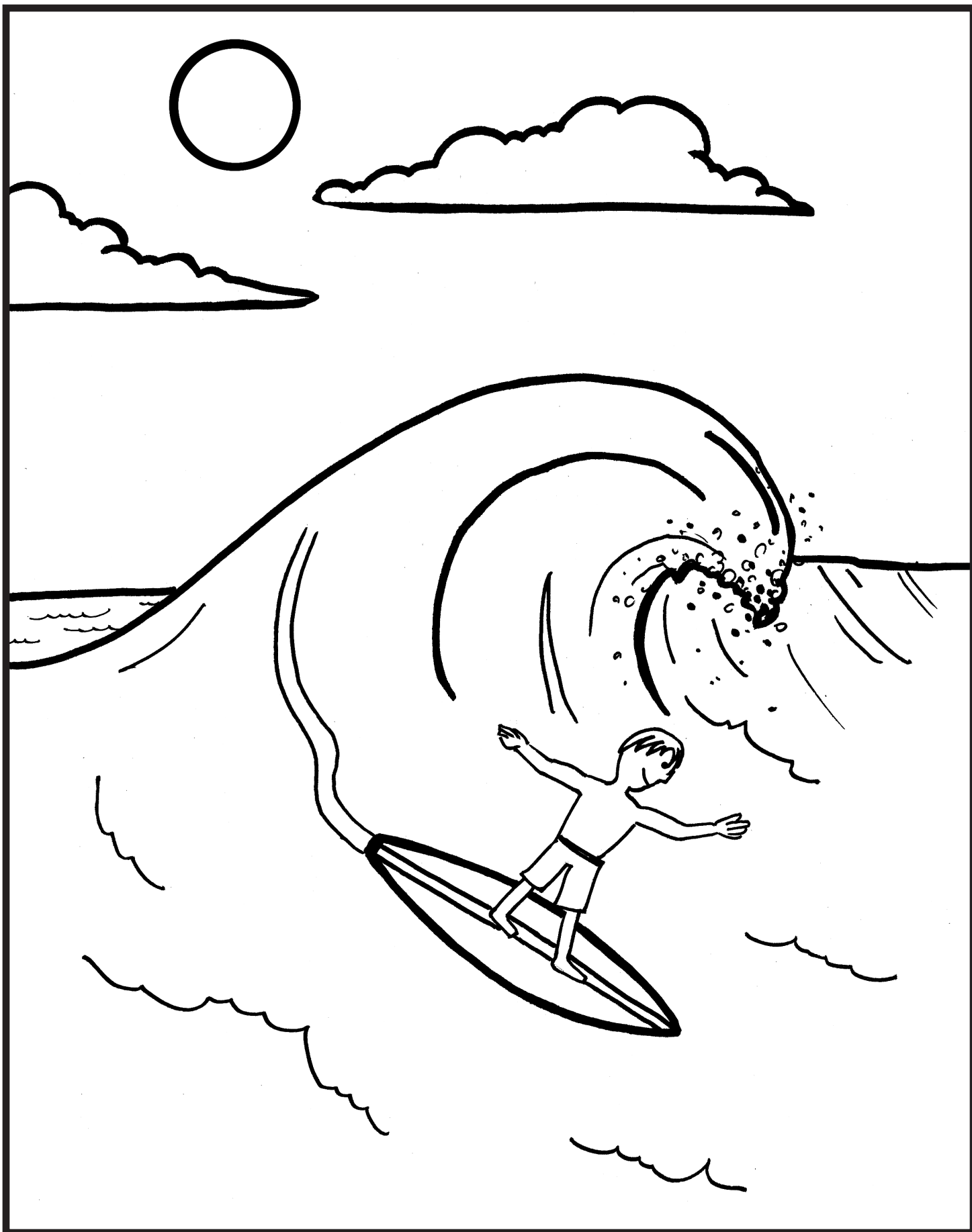
Swimmers enjoy a hot spring heated by geothermal energy.



Electricity can be made using biomass energy. Organic waste, like garbage and left-over crops, is called biomass. It is burned in a large power plant.



**Another type of biomass is cow manure. Yes, cow poop!
It is used to make methane gas. The gas can be burned.**



Surfers use ocean wave energy! Ocean waves can also make electricity.

CAN YOU LIST ALL 6 TYPES OF RENEWABLE ENERGY?

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____



Don't Forget to Visit the Energy Quest Website
www.energyquest.ca.gov

Energy education from the California Energy Commission!

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August 2007, CEC-180-2007-007



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